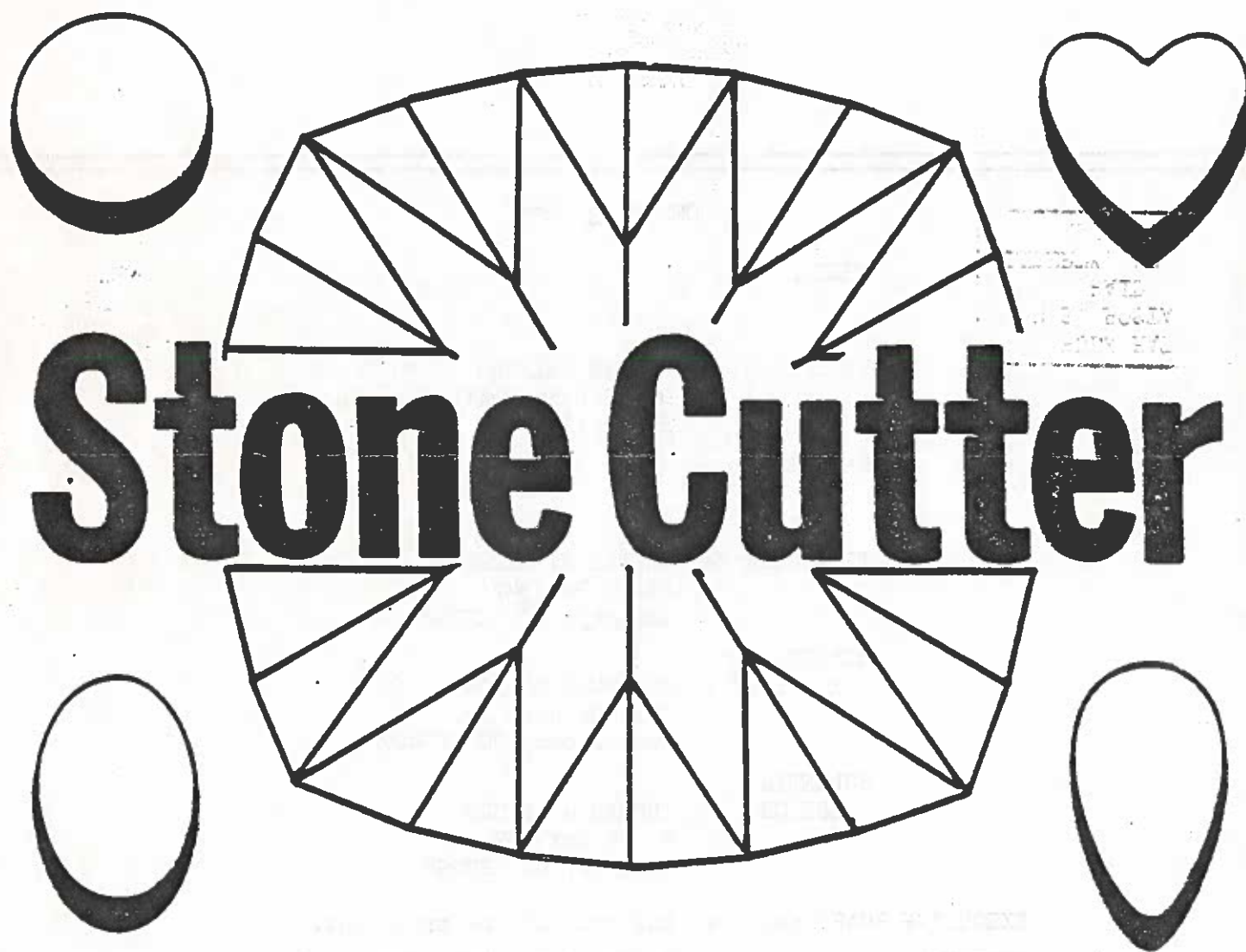


NORTH CAROLINA LAPIDARY SOCIETY

November
1983



MEETINGS: *SUNDAY*
Third ~~Thursday~~ each month.
GEMCRAFTERS
2106 Patterson St.
Greensboro, NC 27407



MEETING DATE :

TIME : 2:30 PM

PLACE : GEMCRAFTERS
2106 Patterson St.
Greensboro, NC

PROGRAM :

OFFICERS 1983

PRESIDENT :

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Reidsville, NC 27320

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TREASURER : THOMAS J. RICKS
Rt. 3 Box 347
Liberty, NC 27298

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Greensboro, NC 27407

BULLETIN

EDITOR : THOMAS J. RICKS
Rt. 3 Box 347
Liberty, NC 27298

EXECUTIVE BOARD meets at the call of the president.

MEMBERSHIP DUES : \$12.00 per year - prorated quarterly.

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NOTICE

THE NORTH CAROLINA LAPIDARY SOCIETY HAS BEEN DISBANDED.

STONE CUTTER WILL DISCONTINUE PUBLICATION. THE LAST ISSUE WILL BE DECEMBER, 1983.

THE INTEREST AND SUPPORT OF ALL SUBSCRIBERS AND CONTRIBUTORS IS APPRECIATED. SUBSCRIBERS WHOSE SUBSCRIPTIONS HAVE NOT EXPIRED WHEN PUBLICATION CEASES WILL RECEIVE A PRO-RATA REFUND. REFUNDS OF LESS THAN TWO DOLLARS WILL NOT BE MADE UNLESS SPECIFICALLY REQUESTED.

IN ACCORDANCE WITH THE NCLS CONSTITUTION AND BY-LAWS, FUNDS REMAINING IN THE SOCIETY TREASURY AFTER ALL OBLIGATIONS HAVE BEEN DISCHARGED WILL BE DONATED TO ANOTHER ORGANIZATION HAVING SIMILAR AIMS AND OBJECTIVES.

SOCIETY MEETINGS HAVE NOT BEEN SCHEDULED FOR NOVEMBER AND DECEMBER, 1983. HOWEVER WE HAVE BEEN INFORMED THAT THE MEETING ROOM AT GEMCRAFTERS, 2106 PATTERSON ST. GREENSBORO, NC WILL BE AVAILABLE AT THE TIMES WHEN MEETINGS WOULD HAVE BEEN SCHEDULED. IN THE EVENT THAT FORMER MEMBERS OF NCLS HAVE AN INTEREST IN FORMING A SUCCESSOR ORGANIZATION.

BEST WISHES AND HAPPY STONE CUTTING!

THE ART OF SEEING

by WILLIAM J. HORTON

This article will deal with the "art of seeing". I'm sure that anyone who has ever faceted a gemstone has had to look at "meets" and polish.

Faceting, at least in the very beginning, is approximately 75 percent looking, and 25 percent working. Even after faceting for a number of years, I still question myself as to having done as well as I could on meets and polish.

I'll try to pass on to you some helpful hints on the ART OF SEEING.

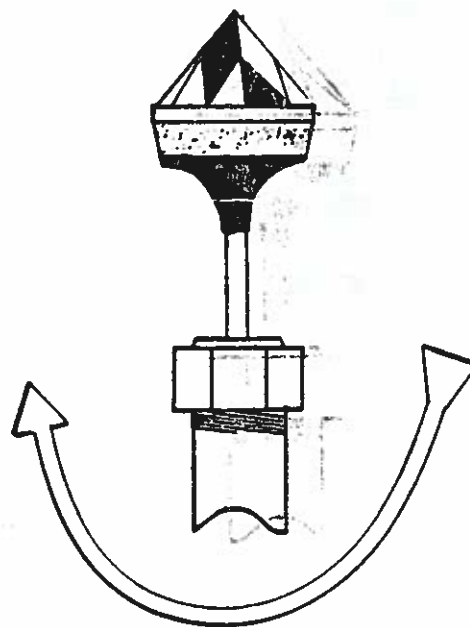
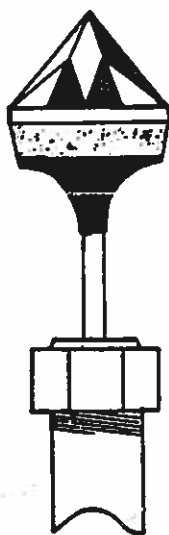
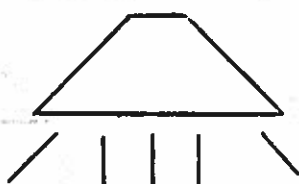


FIGURE 1

First of all, have a good lighting system near or directly over your machine or work area. The best combination is to have both, a neon light, diffused if possible, and a "NATURAL" non-frosted lamp. I use a 100 watt non-frosted lamp, and have an "indirect" neon light in the ceiling of the shop, diffused through the plastic filler in the ceiling tile. The second really useful piece of equipment is a moveable "arm" to house the natural bulb. This allows the lamp to be moved freely about the working area.

Let's deal now with just the "pointing-up" procedure. In Figure #1, you will notice a picture of a lamp over the handpiece, dop, and stone. Place the handpiece in a "FREE-WHEELING" position so it can be rotated freely. Next move the assembly one way or another until you get a "flash" of light on the facet to be viewed. This will be the brightest light possible as you are actually using the facet to "MIRROR" the light into your eye. Then, by rotating just slightly one way or another, you will see the facet actually change from bright to a slightly darker look. At this point you will see the facets appear in color as in Figure #1.

Note that the figure in the left of Figure #1 does not point up, the break to the main. In Figure #1 right side, they do.

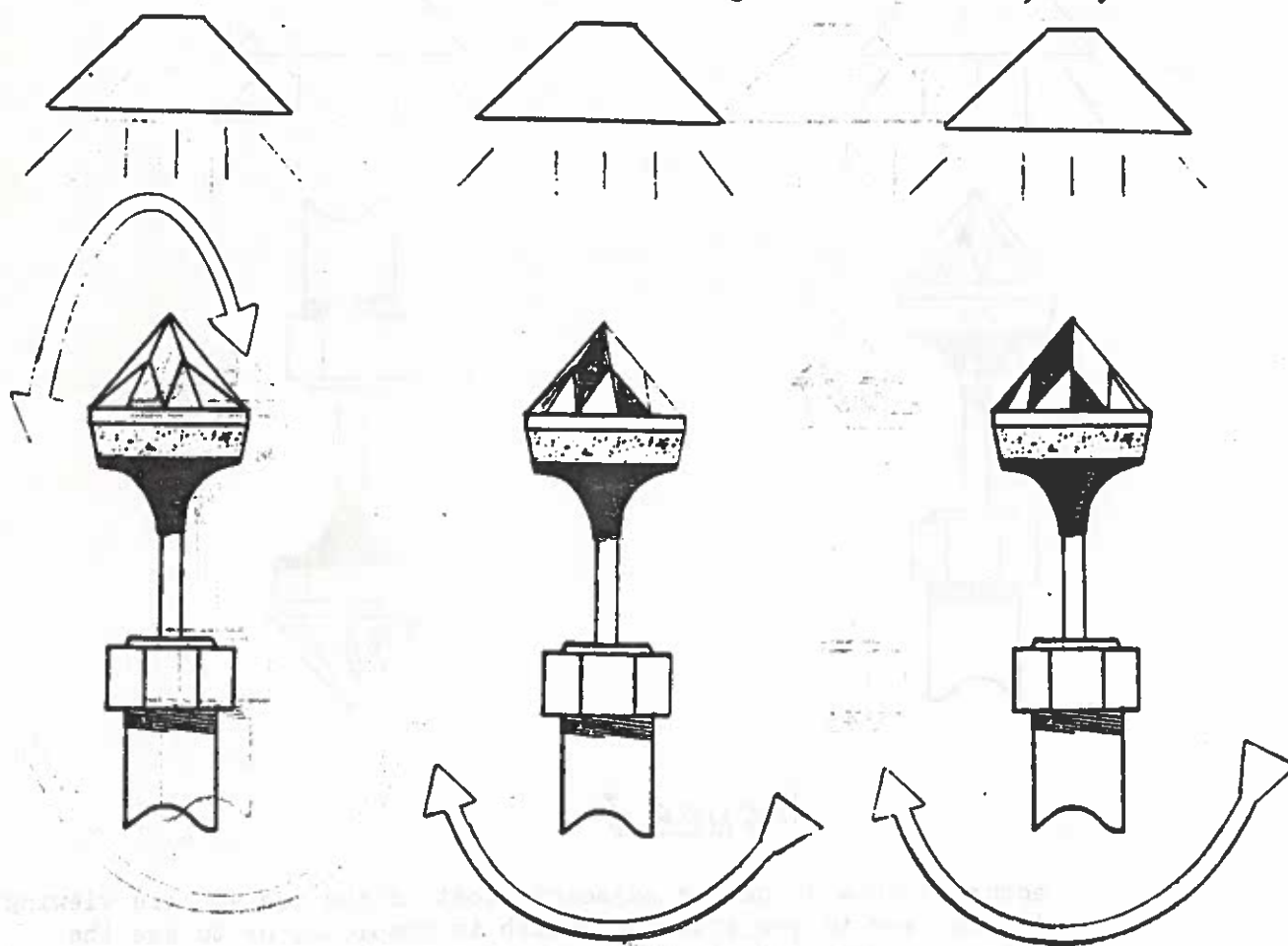


FIGURE 2

Once you have found the way to see this way of using light, I'm sure your meets will improve. Try to keep the light centered directly over your stone.

Now to the area of polish. You use the light much the same way you view for pointing-up. However, I'll refer to the light as having three distinct shades. See Figure #2: First is the reflected light as it flashes the bulb directly into your eyes. The second shade is about a "half" light, or half as bright.

The third is more of a fading light to almost none. The first and second shades of light are very useful in seeing "double" facets, which might have been developed in the polishing stage. Also, you will see into the very fine corners of your facets to see that each facet is indeed complete, or is there a very tiny speck that sometimes appears as a chip, which is really incomplete polish. The third shade of light is the dandy one. This shows up those pesky little scratches we refer to as "cat-hairs". If you can just once see this phenomenon, you will always be able to see the pesky cat-hair scratch. Sometimes, the cat-hair will

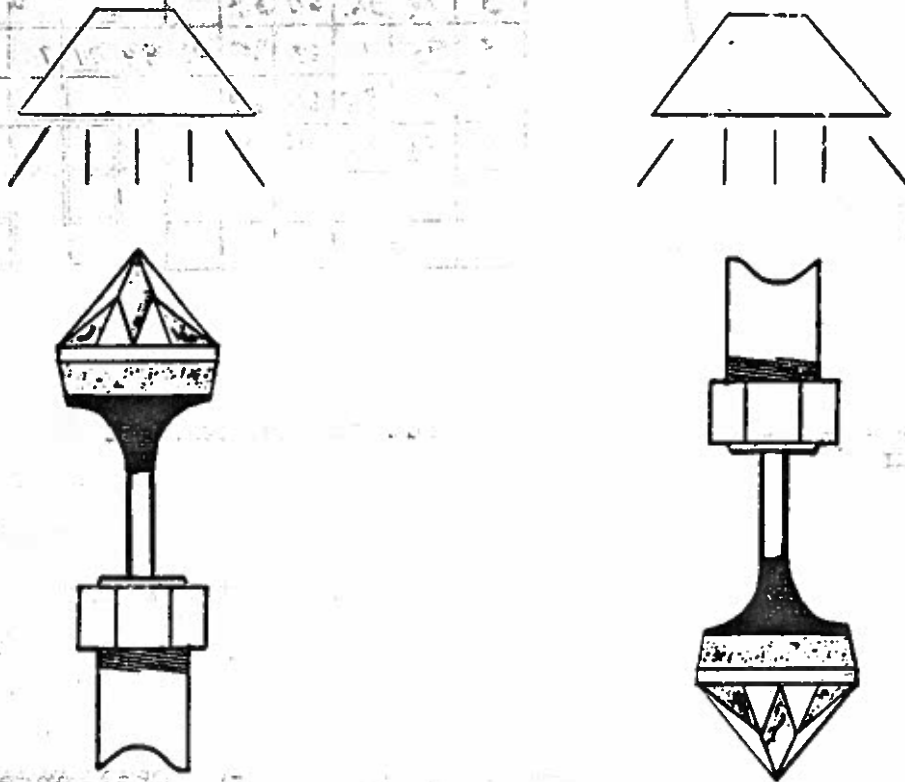


FIGURE 3

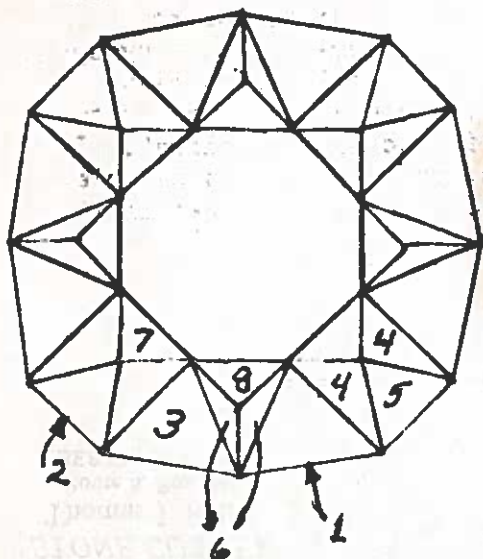
actually show up on the adjacent facet to the one you are viewing. Another way to see that the polish is complete, or to see the cat-hair scratches, is to bring the hand-piece toward you, viewing the opposite side of the stone in the "third light". See Figure #3. Hopefully, by experimenting with your light, you will "see" your work in a better light (PUN), and have even more perfection than ever.

Here's to better and better gem stones!!

W. J. Horton

THE CHALLENGE CUT

from THE MIDWEST FACETER



No	Index								Degree
1	3	21	27	45	51	69	75	93	
2	12	36	60	84					
3	3	21	27	45	51	69	75	93	
4	9	45	33	39	57	63	81	87	
5	12	36	60	84					
6	95	1	23	25	41	49	71	73	
7	12	36	60	84					
8	96	24	48	72					

THE CHALLENGE

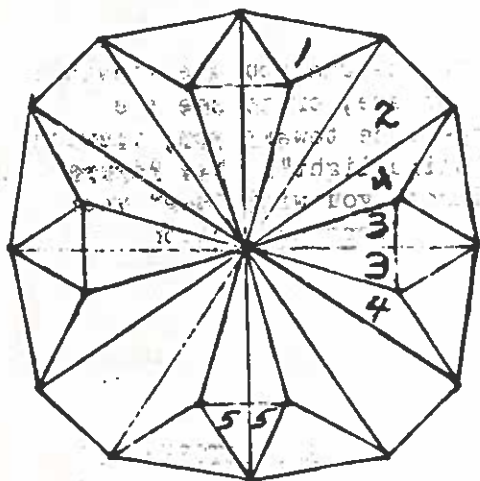
The angles have been left out so you can use your favorite material.

1. Table 50% of width of stone
2. Number 2 same width as width of the stars
3. Stone size 7 to 12 mm.



*** This will be the Challenge Cut for a new competitive class to be offered at our 1985 Show.

TRY IT *** GET AN EARLY START



No	Index								Degree
1	3	21	27	45	51	69	75	93	
2	12	36	60	84					
3	94	2	22	26	46	50	70	74	
4	6	18	30	42	54	66	78	90	
5	94	2	22	26	46	50	70	74	

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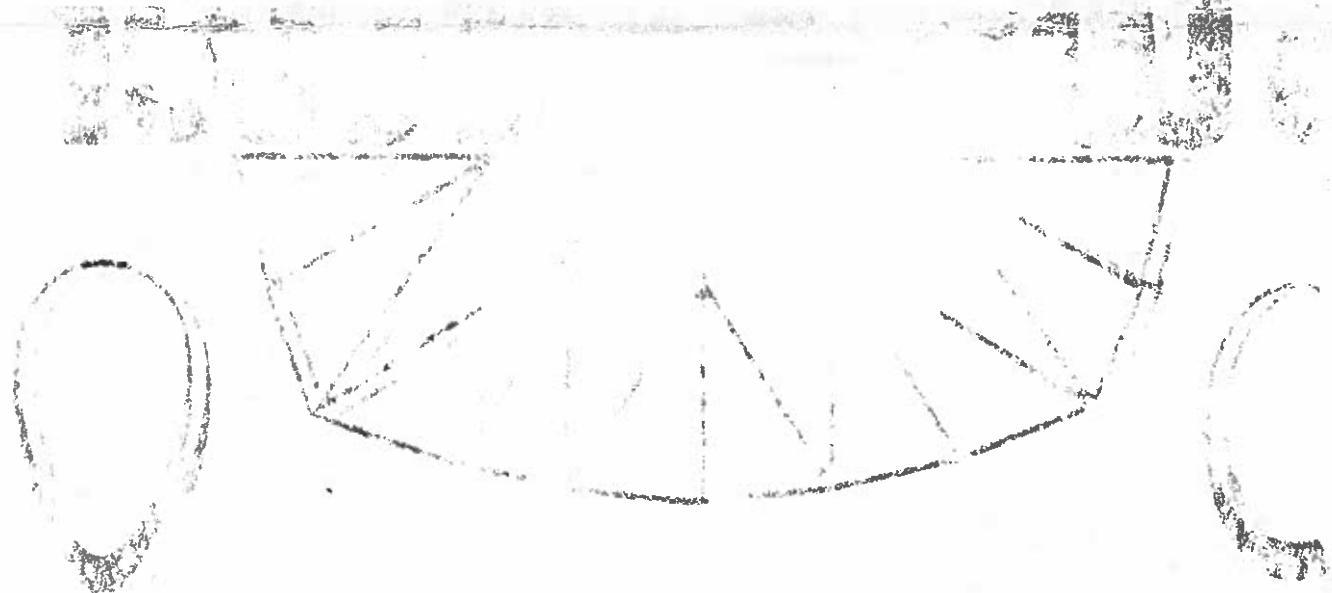
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